



## Grove - Light Sensor

SKU 101020014

### Description

This product is retired, please consider the new version Grove - Light Sensor V1.2.

The Grove - Light sensor module uses GL5528 photoresistor(light dependent resistor) to detect the intensity of light in the environment. The resistance of photoresistor decreases when the intensity of light increases. A dual OpAmp chip LM358 on board produces voltage corresponding to intensity of light(i.e based on resistance value). The output signal from this module will be HIGH in bright light and LOW in the dark.

This module can be used to build a light controlled switch i.e switch off lights during day time and switch on lights during night time.

For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through Preface - Getting Started and Introduction to Grove before your using of the product.

### **SPECIFICATIONS**

- Operating Voltage: 3-5V
- Supply Current: 0.5-3mA
- Photoresistor: GL5528
- Light resistance: 20K $\Omega$
- Dark resistance: 1M $\Omega$
- Response time: 20-30 secs
- Peak Wavelength: 540 nm

#### Technical Details

Dimensions	60mm x 80mm x 10mm
Weight	G.W 6g
Battery	Exclude

#### *Part List*

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#### *ECCN/HTS*

ECCN	Not Available
HSCODE	9031900090

#### *Certification*

RoHS	Compliant
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